

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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APPLICANT : SANYO ELECTRIC CO LTD;

INVENTOR : INOUE KENJI;

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TITLE : SEALED ALKALINE STORAGE BATTERY

ABSTRACT : PURPOSE: To improve the storage characteristics of a sealed alkaline storage battery, keeping its charge and discharge characteristics in excellent condition, by adding tungsten powder into a hydrogen-occluding alloy electrode.

CONSTITUTION: A hydrogen-occluding alloy electrode is constituted by adding tungsten powder to hydrogen-occluding alloy powder. Tungsten exists as  $\text{WO}_4^{2-}$  salt in the neighborhood of the surface of the hydrogen-occluding alloy at the potential of the hydrogen-occluding alloy electrode during the storage of a battery and acts as a barrier against oxygen released from the positive electrode to suppress the self-discharge of the battery. It is thereby possible to improve the storage characteristics and besides to keep the charge and discharge characteristics in excellent condition.

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